Killam
Associates ▫ Consulting Engineers

SDMS Document
88373

Letter of Transmittal

To: Mr. Joe Novak

NJDEPE - ISEE

401 East State Street, Floor 5 CN 028

Trenton, New Jersey 08625-0028

Date: October 18, 1993 Job No.: 225300-02

Attention: Joe Novak

Re: Hexcel Monthly Progress Report for September

We are sending you ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of Letter ☐ Change of Address ☒ Reports ☐ Cost Estimate ☐ V.E. Report

Copies	Date	No.	Description
3	10/15/93		Hexcel Monthly Progress Report for September 1993

RECEIVED
OCT 18 8 06 AM '93
[illegible]

These are Transmitted as checked below:

☒ As requested ☐ Make corrections as noted ☐ Resubmit _____ copies for review.

☐ For your use ☐ Amend and resubmit ☐ Submit _____ copies for distribution.

☐ No exceptions taken ☐ Rejected - see remarks ☐ Return _____ corrected prints.

☐ For review and comment ☐ _____

☐ For bids due _____ ☐ Prints returned after loaned to us

Remarks: _____

Copy to: _____ Signed: _____

If enclosures are not as noted, please notify us at once

☑ 27 Bleeker Street, P.O. Box 1008, Millburn, NJ 07041 (201) 379-3400 XZ471

☐ 6 Emery Avenue, Randolph, NJ 07869 (201) 328-6611

☐ Salem Industrial Park, Route 22 East, PO Box 463, Whitehouse, NJ 08888 (908) 534-4700

☐ 100 Willowbrook Road, Freehold, NJ 07728 (908) 780-6565

☐ 833 Route 9 North, Cape May Court House, NJ 08210 (609) 465-9377

☐ Three Neshaminy Interplex, Suite 301, Trevose, PA 19047 (215) 638-4219

0691

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27 Bleeker Street
Millburn, NJ 07041-1008
Telephone: 201-379-3400
Fax: 201-912-2400

October 15, 1993

Mr. Joe Novak
Case Manager
Industrial Site Evaluation Element
New Jersey Department of Environmental
Protection and Energy
CN 028
401 East State Street, Floor 5
Trenton, New Jersey 08625-0028

RE: September 1993 Monthly Progress Report on Remedial Activities at the Former Hexcel Site
Lodi Borough
Bergen County, New Jersey
ECRA Case No. 86009

Dear Mr. Novak:

On behalf of Hexcel Corporation, Killam Associates (Killam), has prepared this summary report of remedial activities performed at the above referenced site during the period of September 18, 1993 to October 15, 1993. This report satisfies the requirements of Paragraph 36 of the New Jersey Department of Environmental Protection and Energy (NJDEPE) conditional approval letter of July 31, 1990.

A. GROUNDWATER

Collection of Basement Seepage Water

Approximately 4,150 gallons of basement seepage water which was collected during the month of September 1993, were treated and disposed of off-site.

Upper Overburden Aquifer

No additional work was performed relating to the upper overburden aquifer during the month of September.

Lower Overburden Aquifer

No additional work was performed relating to the lower overburden aquifer during the month of September.

B. SOILS

No additional work was performed relating to soils during the month of September.

C. GROUNDWATER TREATMENT SYSTEM OPERATION

The 4,150 gallons of basement seepage water collected in the month of August have been treated, but not discharged to the Passaic Valley Sewerage Commissioners (PVSC) as the PVSC Permit for Hexcel under Fine Organics (Permit #17405042) expired on November 30, 1992. Hexcel has applied for an extension to this permit with the PVSC.

On September 30, 1993, approximately 4,150 gallons of treated basement seepage water was trucked offsite and disposed of at E.I. Du Pont de Nemours and Co., Inc., Chambersworks, in Deepwater, New Jersey. A copy of the manifest documenting this activity can be found in Appendix A of this report.

D. DENSE NON-AQUEOUS PHASE LIQUID (DNAPL)

DNAPL measurements were collected on September 30, 1993. MW-6 was the only well which exhibited DNAPL at 1.28 feet thickness. Results for the DNAPL data collection can be found in Appendix B of this report. On September 24, 1993, MW-8 was pumped and approximately 3 gallons of DNAPL were recovered. Approximately 3 gallons of DNAPL were recovered via pumping from MW-6 on October 1, 1993

E. LIGHT NON-AQUEOUS PHASE LIQUID (LNAPL)

Groundwater/LNAPL measurements were collected on September 30, 1993. Approximately one gallon of LNAPL was recovered from CW-7 on October 8, 1993. Results for this round of monitoring can be found in Appendix C of this report. Additionally, 0.10' of LNAPL was noted in P-2. Groundwater contour maps for the upper overburden aquifer and the lower overburden aquifer (Figures 1 and 2, respectively) were generated from this information and can be found in Appendix E of this report.

F. STATUS OF PERMITS

Air Control Apparatus

Hexcel performed an eight hour test run of the groundwater recovery system on September 27, 1993. A representative influent sample was collected during this test run and was analyzed for total toxic organics, biochemical oxygen demand, chemical oxygen demand, total suspended solids, total dissolved solid, petroleum hydrocarbons, total volatile organics, polychlorinated biphenyls, pH, redox potential, chromium, copper, lead, nickel, zinc, hexavalent chromium, iron and manganese. Results are currently pending and will be submitted in next month's progress report. This information will be used to determine the requirements for the new air permit.

PVSC Sewer Connection Permit
A finalized version of this permit has been prepared and Hexcel is currently waiting for Fine Organics Corporation to sign the endorsement in the permit application. After this signature is obtained, Hexcel will submit the application to the PVSC.

NJDEPE Sewer Connection Permit
Hexcel is currently awaiting endorsement from Fine Organics Corporation. Upon receiving this endorsement, Hexcel will submit the permit application to the NJDEPE.

Stream Encroachment Permit
A Stream Encroachment Permit is required to install the sewerline connection since the Hexcel facility is located in a flood plain. This permit application is finalized and Hexcel is currently waiting for final endorsements from Fine Organics Corporation.

If you have any questions regarding this report or the project in general, please do not hesitate to contact me at (201) 912-2489.

Very truly yours,

KILLAM ASSOCIATES

Gary K. Walker

Gary K. Walker
Senior Project Scientist

cc: A. William Nosil, Hexcel Corporation
James Higdon, Fine Organics
Lisa Bromberg, Esq.
Essam Saleh, Hexcel Corporation

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APPENDIX A

Manifest for Disposal of Treated Basement Seepage Water
September 30, 1993

883730005

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 028, Trenton, NJ 08625-0028

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) *Form Approved. OMB No. 2050-0039. Expires 9-30-94*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N J D 9 8 5 5 2 4 1 3 4 — Manifest Document No. 5 5 3 2 6

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Hexcel Corporation
205 Main Street, Lodi, New Jersey 07644

4. Generator's Phone (201) 472-5800

A. State Manifest Document Number **NJA 1666336**

B. State Generator's ID SAME

5. Transporter 1 Company Name: K.E.I. Industrial Services — 6. US EPA ID Number: P A D 9 8 7 2 8 4 1 7 1

C. State Trans. ID NJDEPE 5 5 0 4 5

7. Transporter 2 Company Name — 8. US EPA ID Number

D. Transporter's Phone (800) 752-2110

E. State Trans. ID

9. Designated Facility Name and Site Address
E.I. DuPont de Nemours & Co., Inc.
Chambers Works - Route 130
Deepwater, New Jersey 08023

10. US EPA ID Number: N J D 0 0 2 3 9 5 7 3 0

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (609) 540-2500

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Chemical Process Liquid Non RCRA/Non DOT Regulated Material	Y Y 1	T T	~~X 4150~~ 4150 N	G	W 0 0 5
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above: 1. Water 100%

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
DET Job # 920143 PO # 2985 Contract # DNO-2271 Release # 25
NJ Decal # Tractor 45036 Trailer HU172
24Hr. Emergency Phone # 800-752-1033

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: ESSAM E SALEH — Signature: [signature] — Month Day Year: 09 30 93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: S. Alan Rutherford — Signature: [signature] — Month Day Year: 09 30 93

18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name — Signature — Month Day Year

NJA 1666336

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

7 — GENERATOR MAIL TO - GENERATOR STATE

883730006

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APPENDIX B

DNAPL Monitoring Forms

September 30, 1993

HEXCEL PROJECT, LODI, NJ
DNAPL MONITORING FORM

DATE: September 30 , 1993 RECORDED BY: Dan Flatin, Susan Waddell
WEATHER CONDITIONS: Overcast, mid 50's

Well No.	TOC Elevation (ft, NJVD)	Depth to Water (ft)	Depth to DNAPL	Total Well Depth (From TOC)	Water Elevation (ft, NJVD)	Thickness of DNAPL	Time of Day	Remarks
RW7-2	26.48	6.32	ND	14.70	20.16		13:44	
RW7-3	26.78	6.61	ND	17.00	20.17		13:39	
RW7-4	27.11	6.96	ND	18.94	20.15		13:26	
RW7-6	26.48	7.01	ND	14.84	19.47		13:29	
RW7-7	26.89	6.84	ND	14.80	20.05		13:02	
RW7-8	25.90	5.84	ND	14.84	20.06		13:56	
RW7-9	26.87	7.10	ND	16.00	19.77		13:17	
RW7-10	26.08	7.30	ND	14.04	18.78		14:00	
RW6-1	28.84	3.67	ND	13.60	25.17		12:32	
RW6-2	29.27	3.94	ND	14.68	25.33		12:39	
MW-6	30.70	10.23	17.32	18.60	20.47	1.28	12:08	Approximately 3 gallons of DNAPL were recovered via pumping on October 1, 1993.
MW-8	30.26	11.91	ND	17.12	18.35		14:43	Approximately 3 gallons of DNAPL were recovered via pumping on September 24, 1993.
MW-27	31.43	7.41	ND	12.40	24.02		11:35	
MW-28	29.68	12.02	ND	14.86	17.66		10:67	

Note: The Total Well Depth (From TOC) will be determined during the first monitoring episode.

CHECKED BY:_____ , DATE:_____

HEXCEL PROJECT, LODI, NJ
DNAPL MONITORING FORM

Well No.	TOC *Elevation* (ft, NJVD)	Depth to Water (ft)	Depth to *DNAPL*	Total Well Depth (From TOC)	Water *Elevation* (ft, NJVD)	Thickness of DNAPL	*Time of* Day	Remarks
CW-3	29.72	6.86	ND	11.28	22.86		10:45	
CW-4	29.00	6.21	ND	10.86	22.79		10:46	
CW-5	28.67	5.90	ND	9.15	22.77		10:52	
CW-14	26.37	7.73	ND	13.74	18.64		14:08	
CW-15	26.31	7.72	ND	11.80	18.59		14:06	
CW-16	26.45	7.78	ND	13.74	18.67		14:41	
CW-18	26.61	7.38	ND	13.75	19.22		13:11	

Note: The Total Well Depth (From TOC) will be determined during the first monitoring episode.

CHECKED BY:_____, DATE:_____

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Associates □ Consulting Engineers

APPENDIX C

Groundwater/LNAPL Monitoring Forms

September 30, 1993

HEXCEL PROJECT, LODI, NJ
LNAPL/GROUNDWATER MONITORING FORM

DATE: September 30, 1993 RECORDED BY: Daniel Flatin , Susan Waddell

WEATHER CONDITIONS: Overcast, mid 50's

Well No.	Total Depth of Well (TOC)	TOC Elevation (ft., NJVD)	Depth to Water (ft.)	Water Elevation (ft., NJVD)	Elev. of Top of Screen (ft., NJVD)	Time	Depth to LNAPL/ DNAPL	Thickness of LNAPL/ DNAPL	Remarks
MW-1	23.27	32.42	10.21	22.21	14.03	10:43	ND		
MW-2	10.16	31.00	8.50	22.50	24.90	11:04	ND		
MW-3	30.50	31.13	10.76	20.37	4.84	11:05	ND		
MW-4	9.80	32.28	8.21	24.07	27.52	11:30	ND		
MW-5	28.18	32.50	11.57	20.93	9.03	11:31	ND		
MW-6	18.60	30.70	10.23	20.47	22.14	12:08	ND		
MW-7	32.66	30.68	10.16	20.52	3.18	12:11	ND		
MW-8	17.12	30.26	11.91	18.35	22.92	14:43	ND		
MW-9	29.52	29.83	9.33	20.50	4.89	14:41	ND		
MW-10	16.98	30.83	12.58	18.25	24.33	12:19	ND		
MW-11	33.64	30.78	10.53	20.25	7.28	12:18	ND		
MW-12	17.16	31.01	10.44	20.57	23.62	12:00	ND		
MW-13	33.06	31.16	10.17	20.99	2.63	11:59	ND		
MW-14	15.48	30.70	11.44	19.26	24.12	11:56	ND		

Note: The Total Well Depth (From TOC) and the Elev. of Top of Screen will be determined during the first monitoring episode.

CHECKED BY:_____, DATE:_____

HEXCEL PROJECT, LODI, NJ
LNAPL/GROUNDWATER MONITORING FORM
(Continued)

Well No.	Total Depth of Well (TOC)	TOC Elevation (ft., NJVD)	Depth to Water (ft.)	Water Elevation (ft, NJVD)	Elev. of Top of Screen (ft., NJVD)	Time	Depth to LNAPL/ DNAPL	Thickness of LNAPL/ DNAPL	Remarks
MW-15	25.38	30.77	9.29	21.48	10.17	11:57	ND		
MW-16	12.80	29.69	7.04	22.65	21.71	12:15	ND		
MW-17	13.98	31.53	9.41	22.12	25.10	10:49	ND		
MW-18	11.23	32.23	9.45	22.78	26.04	10:59	ND		
MW-19	26.34	29.08	7.46	21.62	7.30	11:52	ND		
MW-20	19.68	27.95	5.24	22.71	13.50	10:33	ND		
MW-21	14.98	30.67	8.83	21.84	25.80	11:45	ND		
MW-22	8.33	28.36	6.07	22.29	24.73	10:55	ND		
MW-23	9.80	27.29	5.13	22.16	22.83	14:31	ND		
MW-24	9.76	26.12	3.92	22.20	21.93	10:02	ND		
MW-25	12.94	26.03	7.37	18.66	23.47	09:43	ND		
MW-26	12.90	28.88	NT	NT	12.26	NT	NT		NT - Data readings not taken since manhole cover on well is in need of repair.
MW-27	12.40	31.43	7.41	24.02	24.10	11:35	ND		
MW-28	14.86	29.68	10.67	19.01	24.50	12:02	ND		

Note: The Total Well Depth (From TOC) and the Elev. of Top of Screen will be determined during the first monitoring episode.

CHECKED BY:_____, DATE:_____

HEXCEL PROJECT, LODI, NJ
LNAPL/GROUNDWATER MONITORING FORM
(Continued)

Well No.	Total Depth of Well (TOC)	TOC Elevation (ft., NJVD)	Depth to Water (ft.)	Water Elevation (ft, NJVD)	Elev. of Top of Screen (ft., NJVD)	Time	Depth to LNAPL/ DNAPL	Thickness of LNAPL/ DNAPL	Remarks
MW-29	9.50	27.06	4.72	22.34	22.50	14:26	ND		
MW-30	10.32	27.95	5.20	22.75	22.25	10:26	ND		
MW-31	10.53	27.95	5.65	22.30	22.33	10:25	ND		
MW-32	11.10	32.38	8.91	23.47	27.41	11:42	ND		
MW-33	16.80	31.72	10.01	21.71	24.37	14:34	ND		
CW-1	11.34	29.77	7.19	22.58	23.27	10:37	ND		
CW-2	11.24	29.51	6.65	22.86	23.11	10:40	ND		
CW-6	8.34	28.93	NT	NT	25.25	NT	ND		NT - Data readings not taken since well was inaccessible.
CW-7	13.94	26.13	7.94	18.19	17.70	14:55	7.84 LNAPL	0.10	Approximately 1 gallon of LNAPL was recovered on October 8, 1993.
CW-8	14.90	26.77	8.29	18.48	17.70	14:23	ND		
CW-10	10.10	25.91	7.27	18.64	17.50	14:17	ND		
CW-13	11.28	26.05	7.46	18.59	17.60	14:04	ND		
CW-22	13.82	26.35	7.09	19.26	18.30	12:46	ND		
RW1-1	28.38	28.38	5.41	22.97	23.67	11:13	ND		

Note: The Total Well Depth (From TOC) and the Elev. of Top of Screen will be determined during the first monitoring episode.

CHECKED BY:_____, DATE:_____

HEXCEL PROJECT, LODI, NJ
LNAPL/GROUNDWATER MONITORING FORM
(Continued)

Well No.	Total Depth of Well (TOC)	TOC Elevation (ft., NJVD)	Depth to Water (ft.)	Water Elevation (ft., NJVD)	Elev. of Top of Screen (ft., NJVD)	Time	Depth to LNAPL/ DNAPL	Thickness of LNAPL/ DNAPL	Remarks
RW6-1	13.60	28.84	3.67	25.17	20.28	12:32	ND		
RW7-8	14.84	25.90	5.84	20.06	16.71	13:56	ND		
RW15-1	14.80	28.89	7.62	21.27	25.68	11:23	ND		
RW15-2	14.00	30.13	7.48	22.65	26.37	11:27	ND		
P-1	14.00	30.06	7.34	22.72	27.79	11:18	ND		
P-2	12.40	30.06	7.89	22.17	28.73	11:20	7.78 LNAPL	0.11	

Note: The Total Well Depth (From TOC) and the Elev. of Top of Screen will be determined during the first monitoring episode.

CHECKED BY:_____, DATE:_____